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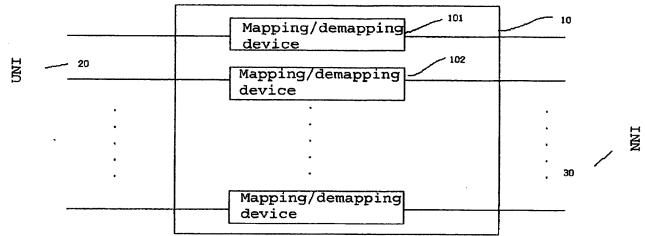


Fig. 1

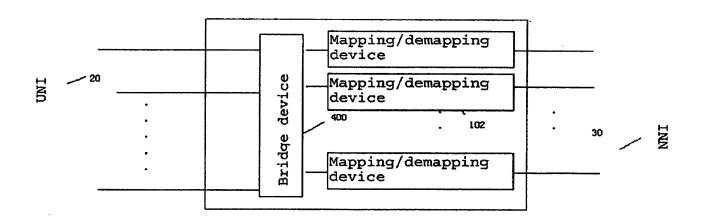


Fig. 2A

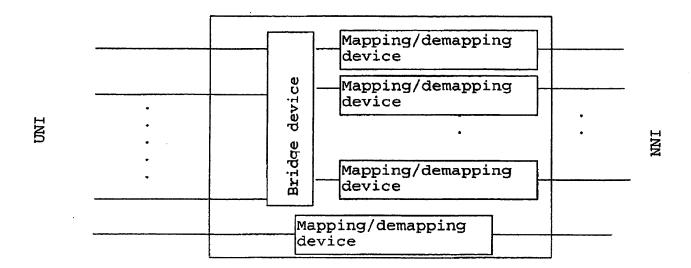


Fig. 2B

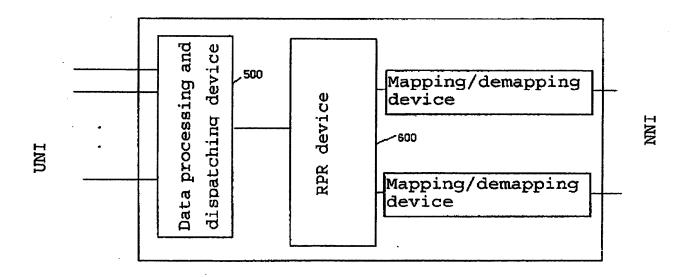


Fig. 3

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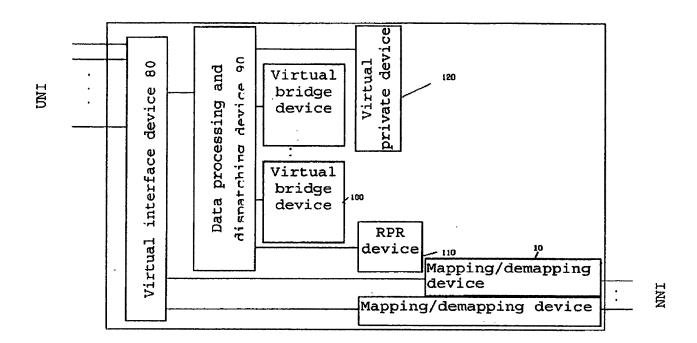


Fig. 4

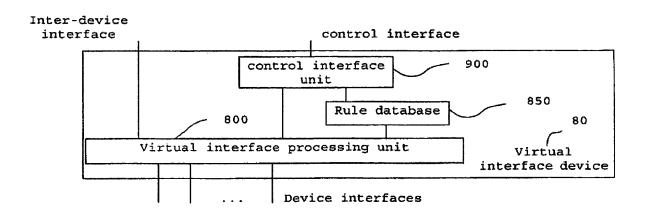


Fig. 4A

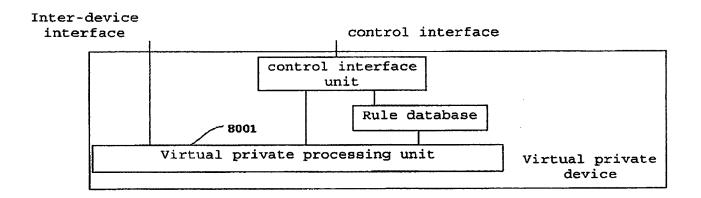


Fig. 5

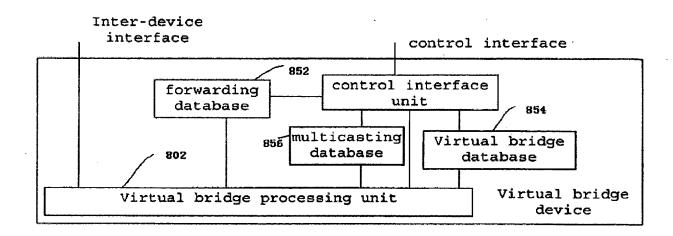


Fig. 6

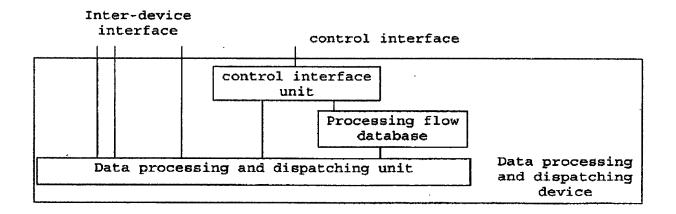
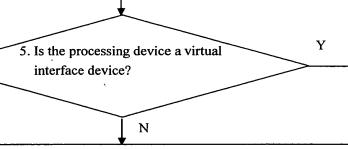


Fig. 7

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- 1. The virtual interface device performs matching operation for the data frames according to classifying rules
- 2. The virtual interface device modifies the data frames according to classifying rules
- 3. The virtual interface device transfers the data frames to the data processing and dispatching device
- 4. The data processing and dispatching device finds corresponding processing unit according to the data type number in the data frames



- 6. The processing device processes the data frames and transfers them to the data processing and dispatching device
- 8. The virtual interface device finds the corresponding device interface according to the data type number in the data frames
- 9. The virtual interface device modifies the data frames, i.e., deletes the data type number from the data frames
- 10. The virtual interface device outputs the data frames via the device interface

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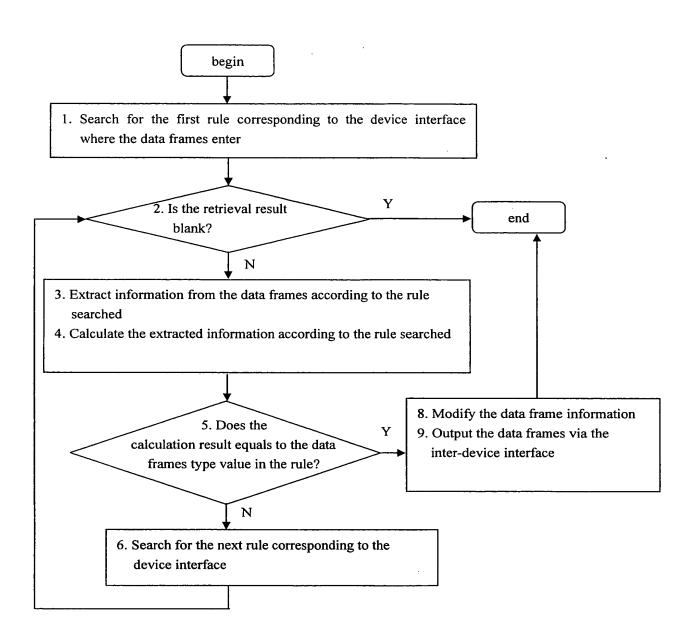


Fig.4A(F1)

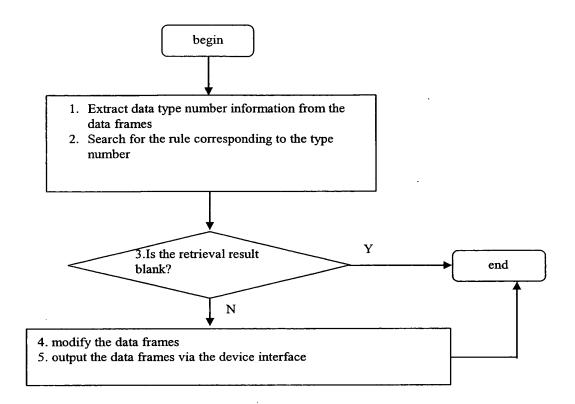


Fig.4A (F2)

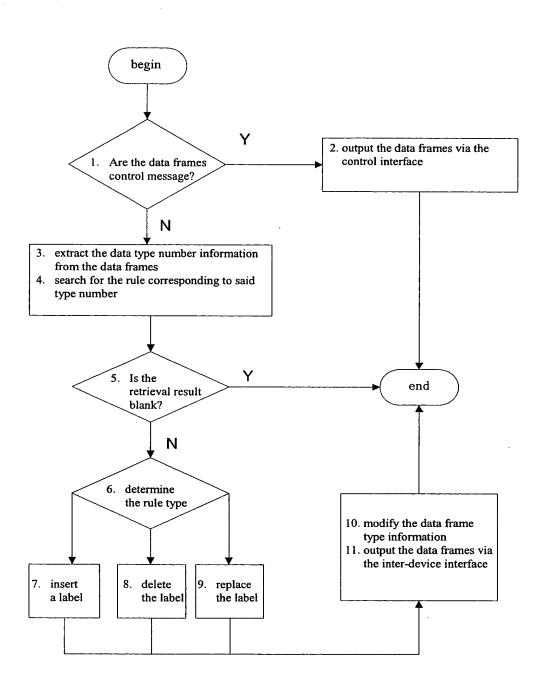


Fig. 5(F)

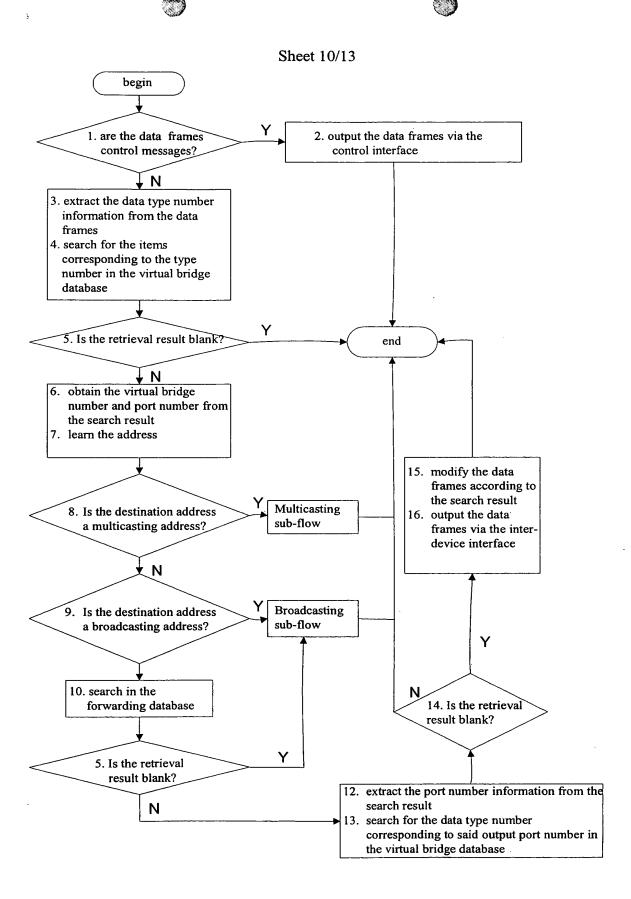


Fig. 6(F1)

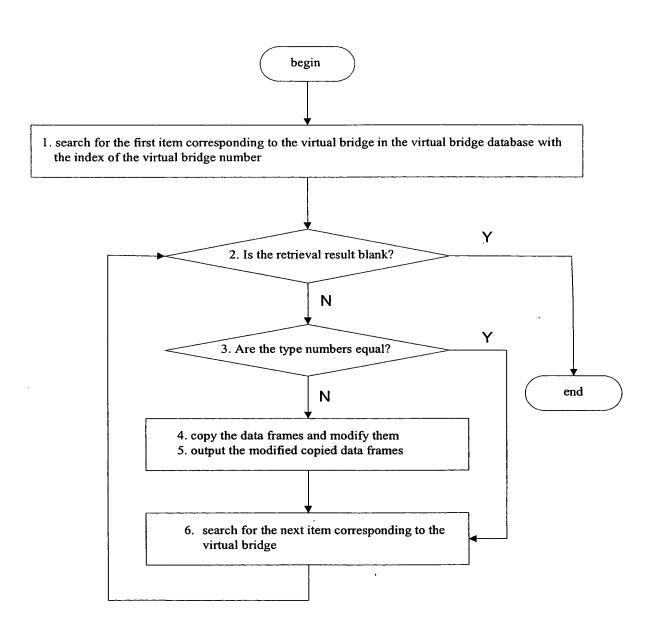


Fig. 6(F2)

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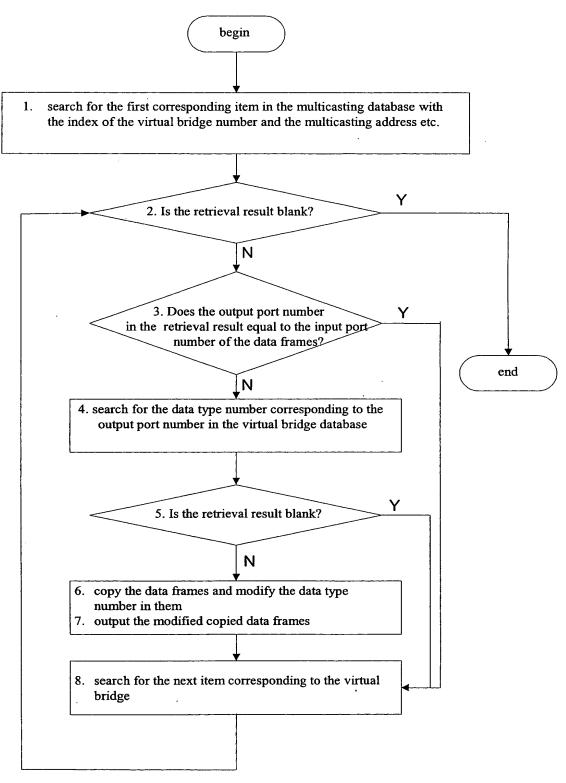


Fig. 6(F3)

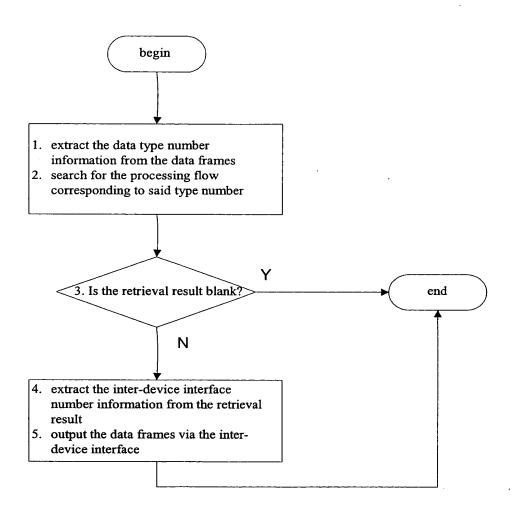


Fig. 7(F)